

000221-4434760

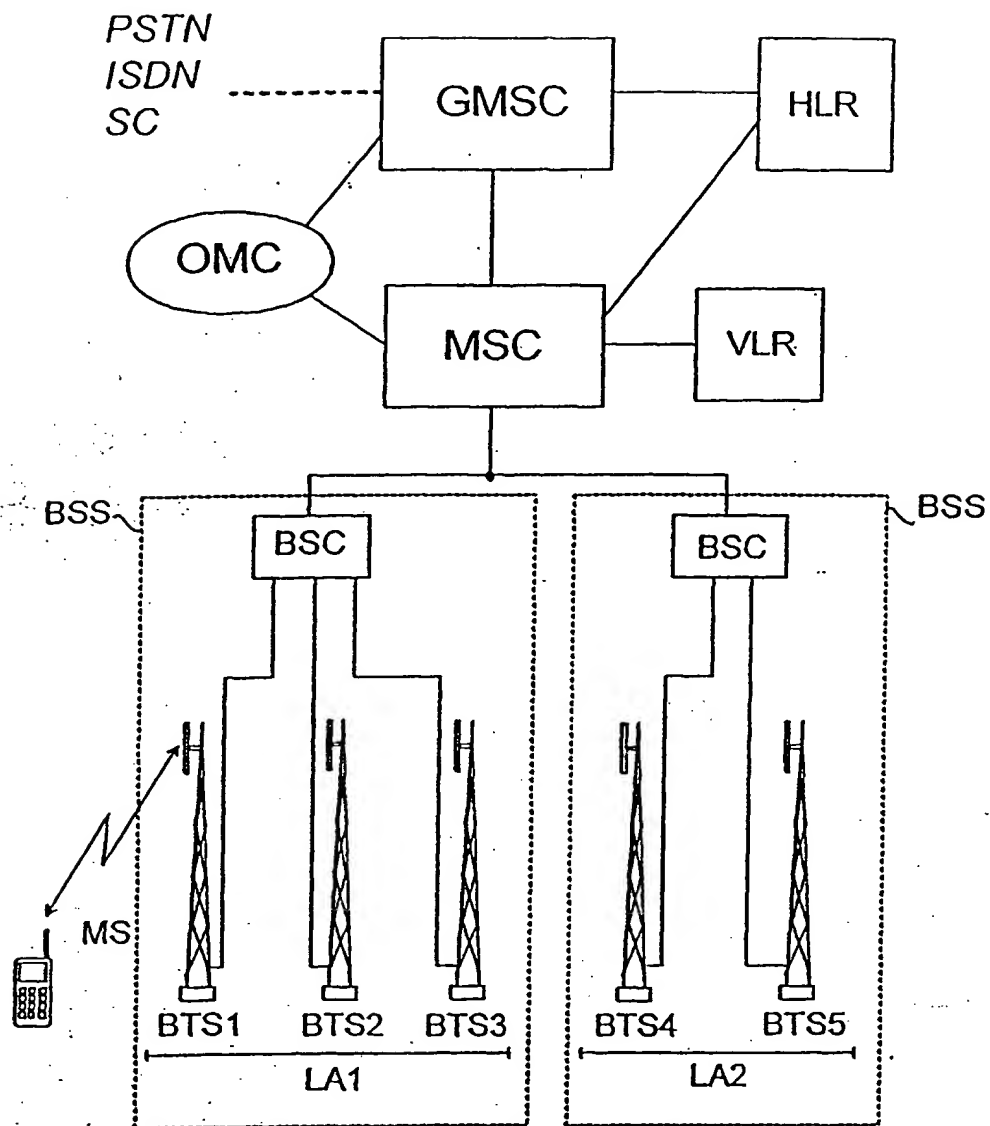


Fig. 1  
prior Art

00022T" 4482460

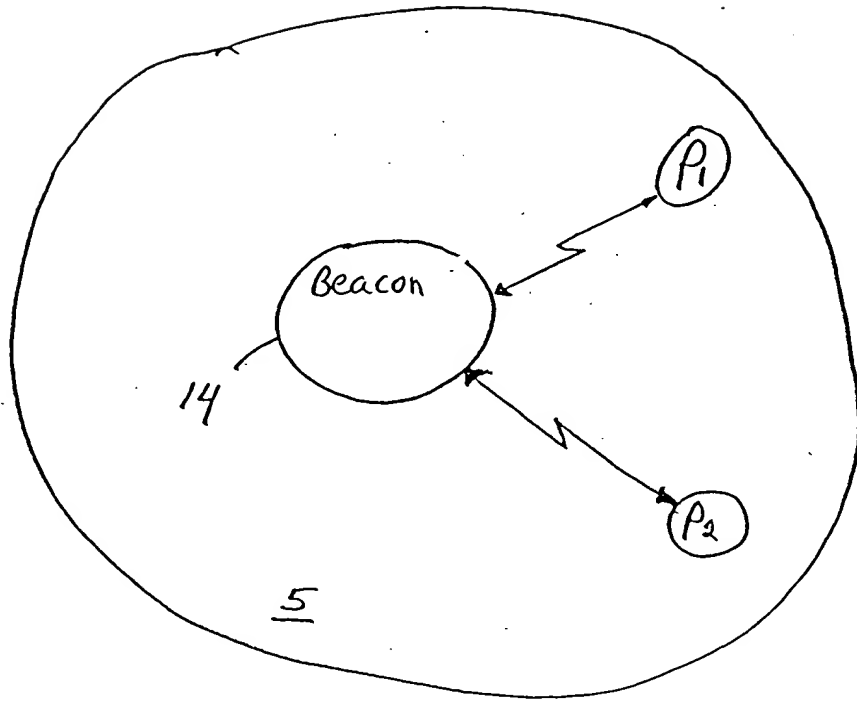


FIG. 2

000227-44824250

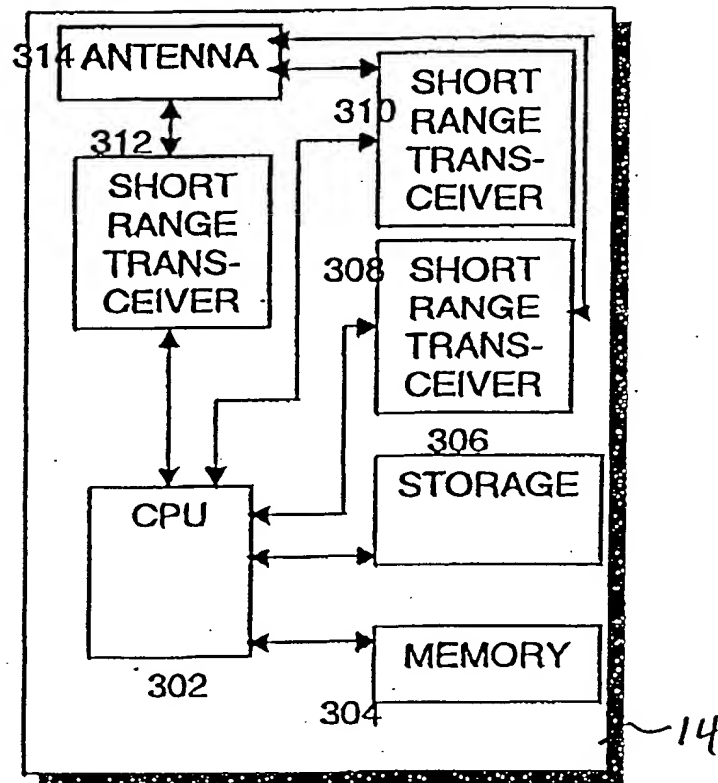


Fig.3 Beacon device

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graph TD
    CPU[408 CPU] <--> MEM[410 MEMORY]
    CPU --> DIS[402 DISPLAY]
    CPU --> STR[404 SHORT RANGE TRANS-CEIVER]
    CPU --> NET[406 NETWORK TRANS-CEIVER]
    STR --> DIS
    NET --> CPU
    CPU --> SAK[420 SERVICES ACCESS KEY]
    CPU --> KB[418 Keyboard]
    NET --> NET_LINE[412]
  
```

FIG. 4

000227-4434260

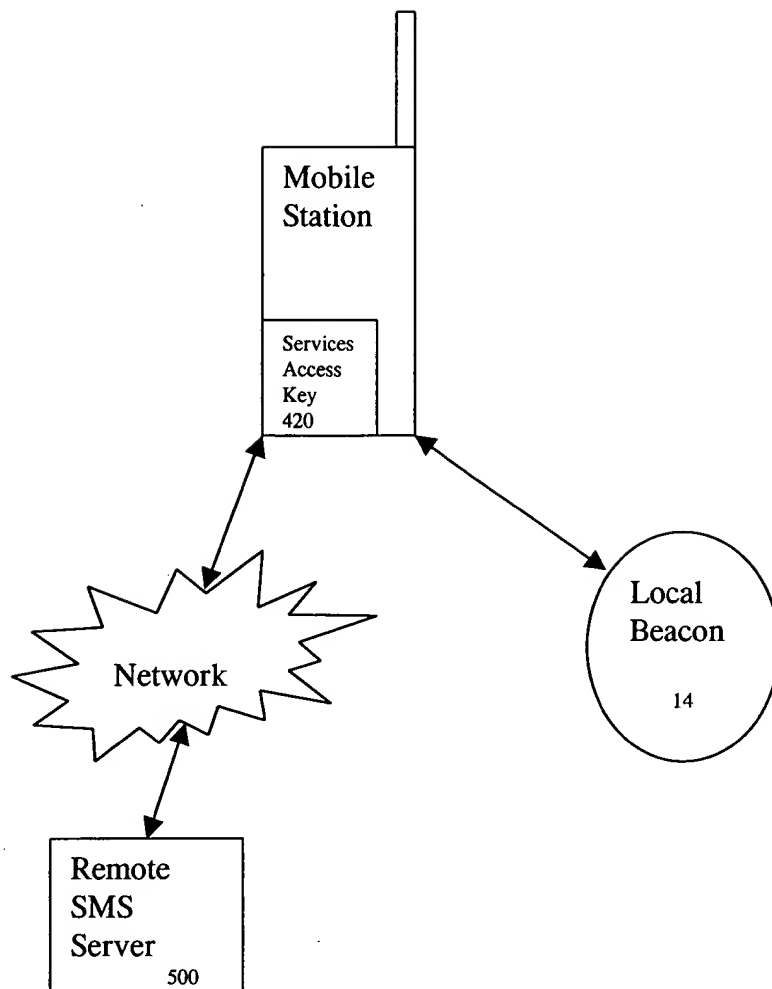


FIG. 5

# The User Screen

Example scenario: A movie theatre. When the user approaches the cinema, he or she enters the local cinema beacon range. The services offered by the beacon become available

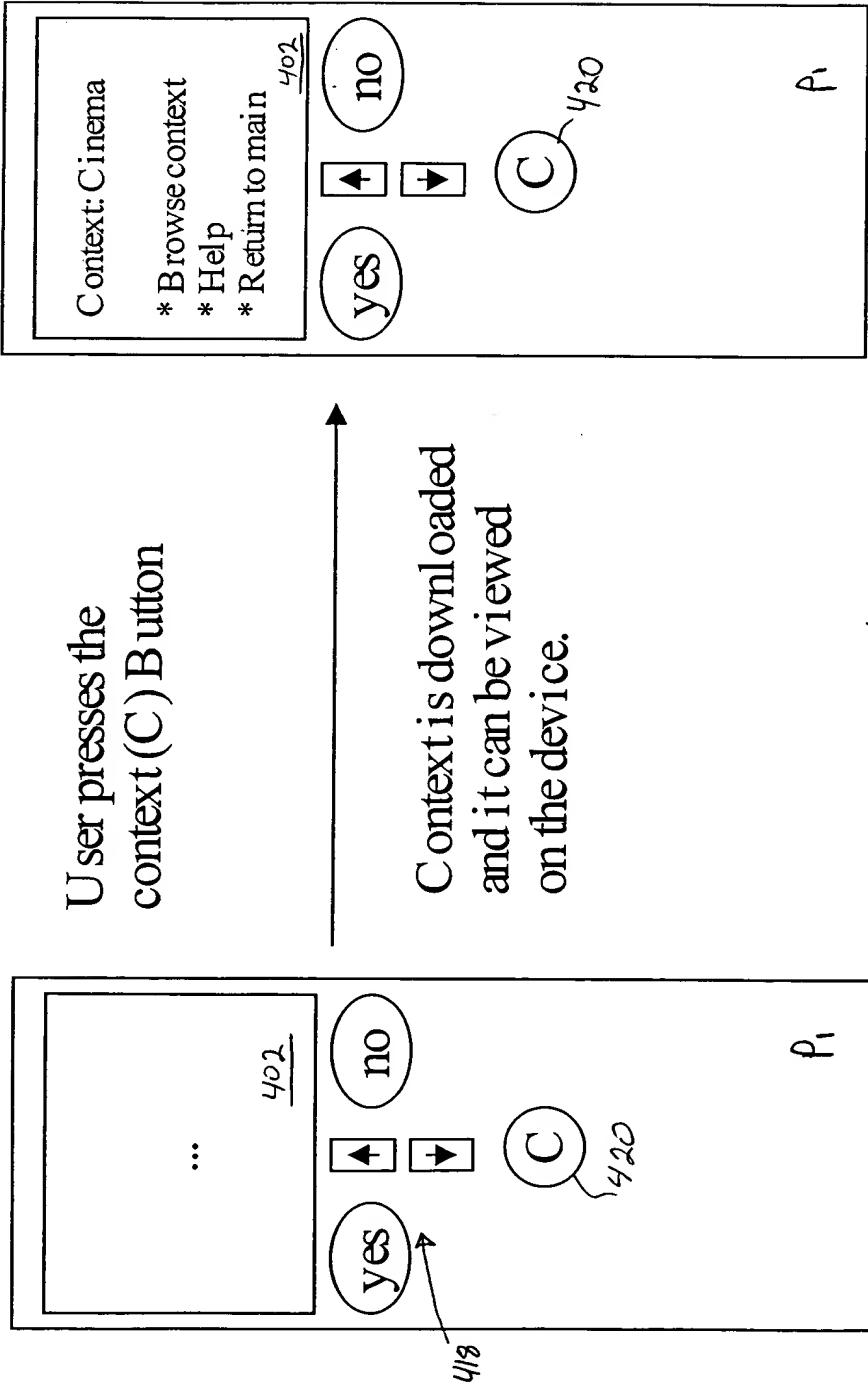


FIG. 6A

# Browse context

User selects browse context  
And can now browse the  
downloaded data.  
This example shows the data  
as a list.

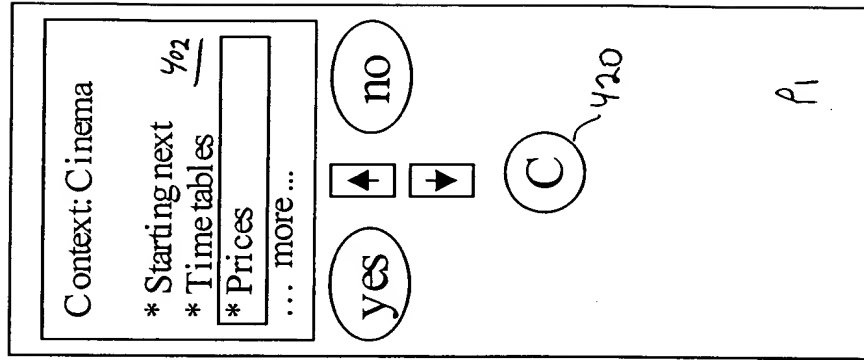
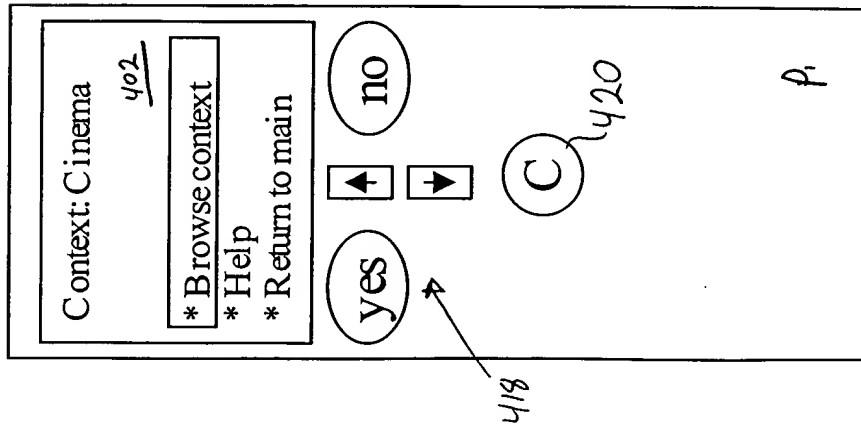


FIG. 6B

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graph TD
    7.1[Enter operating region of information beacon] --> 7.2[Select service access key on mobile station to activate local information request from beacon]
    7.2 --> 7.3[Transmit available location-dependant information from beacon to mobile station]
    7.3 --> 7.4[Scroll through received information on mobile station to select desired information]
    7.4 --> 7.5{Desired information located?}
    7.5 -- Yes --> 7.6[Transmit desired information from beacon to mobile station]
    7.5 -- No --> 7.7[Transmit short message to short message server along with geographic location of mobile station]
    7.7 --> 7.8[Transmit short message from server to mobile station containing location-dependent information]
  
```

FIG. 7



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graph TD
    8.1[Select Services Access Key on MS] --> 8.2{Is MS Within Beacon Range?}
    8.2 -- Yes --> 8.3[Go To Step 7.3]
    8.2 -- No --> 8.4[Enter Remote Server Mode]
    8.4 --> 8.5{Accept Remote Server Mode?}
    8.5 -- No --> End([End])
    8.5 -- Yes --> 8.6[Contact Remote Server  
(e.g., GSM, SMS, GPRS, HSCSD)]
    8.6 --> 8.7[Obtain List of Service Categories]
    8.7 --> 8.8[Select Desired Category From List]
    8.8 --> 8.9[Receive Information on Selected Category  
Based on Approximate MS Location]
  
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FIG. 8